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Part Number: [501594411](#)
Status: **Active**
Overview: SlimStack™ 0.40mm Pitch Board-to-Board Connectors
Description: 0.40mm Pitch SlimStack™ Board-to-Board Plug, Surface Mount, Dual Row, Vertical Stacking, 0.90mm Stacking Height, with Solder Tabs, 44 Circuits

Documents:

[3D Model](#) [Packaging Specification SPK-501594-001-001 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Product Specification PS-501591-002-001 \(PDF\)](#)

Agency Certification

UL E29179

General

Product Family PCB Headers
 Series [501594](#)
 Application Board-to-Board, Signal
 Overview [SlimStack™ 0.40mm Pitch Board-to-Board Connectors](#)
 Product Name SlimStack™
 UPC 800756927060

Physical

Breakaway No
 Circuits (Loaded) 44
 Circuits (maximum) 44
 Color - Resin Black
 Durability (mating cycles max) 20
 Flammability 94V-0
 Glow-Wire Compliant No
 Lock to Mating Part Yes
 Mated Height 0.90mm
 Material - Metal Phosphor Bronze
 Material - Plating Mating Gold
 Net Weight 21.257/mg
 Number of Rows 2
 Orientation Vertical
 PCB Locator No
 PCB Retention Yes
 Packaging Type Embossed Tape on Reel
 Pitch - Mating Interface 0.40mm
 Polarized to Mating Part No
 Polarized to PCB No
 Stackable No
 Surface Mount Compatible (SMC) Yes
 Temperature Range - Operating -25°C to +85°C
 Termination Interface: Style Surface Mount

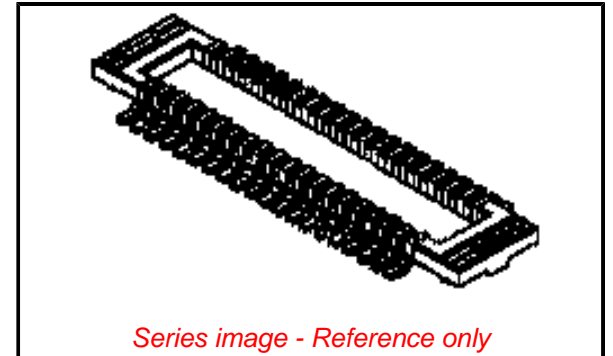
Electrical

Current - Maximum per Contact 0.3A
 Voltage - Maximum 50V AC (RMS)/DC

Material Info

Reference - Drawing Numbers

Packaging Specification SPK-501594-001-001
 Product Specification PS-501591-002-001
 Sales Drawing SD-501594-005, SD-501594-006



EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
 ED/30/2017 (7 July
 2017)

Halogen-Free

Status

Low-Halogen

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 environmental compliance?**

Email productcompliance@molex.com
 Please visit the [Contact Us](#) section for any
 non-product compliance questions.

China ROHS

ELV

RoHS Phthalates

China RoHS

Green Image

Not Relevant

Not Contained

Search Parts in this Series

[501594 Series](#)

Mates With

[501591 SlimStack™ Board-to-Board
 Receptacle](#)

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